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(54) Length adjustment mechanism for a strap

(57) A length adjustment mechanism (1) for a strap (10) having a row of teeth (20). The mechanism (1) comprises a pinion (24) for meshing with the row of teeth (20) and a finger operable actuator (38) pivotable in a first direction and a second direction. The mechanism (1) also comprises a pivoting link (26) coupled with the pinion (24), the pivoting link (26) being pivotable about a first pivot axis (A1) to impart pivotal movement to the pinion (24). The mechanism (1) further comprises a rotating el-

ement (46) coupled with the finger operable actuator (38) and being pivotable about a second pivot axis (A2). The rotating element (46) engages the pivoting link (26) in a driving relationship such that movement of the finger operable actuator (38) is communicated to the pinion (24) via the rotating element (46) and the pivoting link (26) to displace the strap. When a force is applied to the pinion (24) for tending to pivot the pivoting link (26), the pivoting link (26) and the rotating element (46) interlock for resisting pivotal movement of the pinion (24).

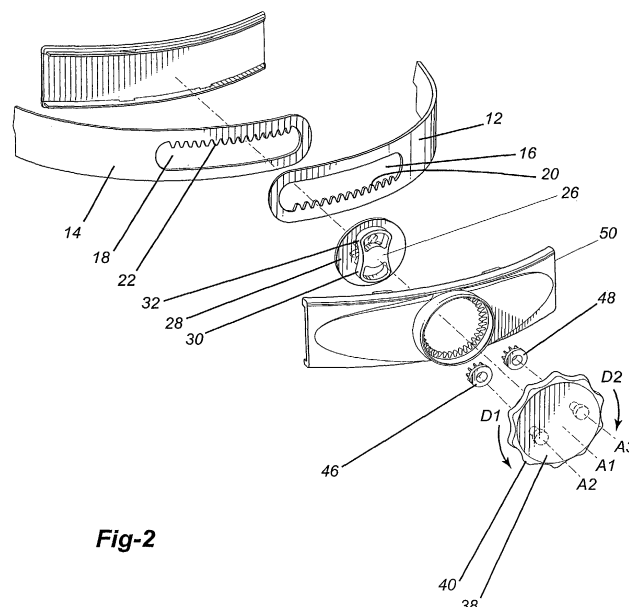


Fig-2



European Patent
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Application Number
EP 03 29 1593

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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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